

### LITTLE COLORADO RIVER BASIN

#### 09385700 LITTLE COLORADO RIVER BELOW SALADO SPRINGS, NEAR ST. JOHNS, AZ

**LOCATION**--Lat 34°27'04", long 109°21'46", in SE<sub>1/4</sub>NW<sub>1/4</sub>SE<sub>1/4</sub> sec. 10, T.12 N., R.28 E., Apache County, Hydrologic Unit 15020002, 2.2 miles upstream from the State Highway 61 bridge in St. Johns.

**DRAINAGE AREA**--845 mi<sup>2</sup>.

**PERIOD OF RECORD**--Jan. 1985 to Dec. 1986, July 2002 to current year.

**GAGE**--Water-stage recorder. Elevation of gage is 5,785 ft above sea level, from topographic map.

**REMARKS**--Records good except for estimated daily discharges and those greater than 50 ft<sup>3</sup>/s, which are poor. Flow partially regulated by Lyman Lake. Many diversions for irrigation above station.

**EXTREMES FOR PERIOD OF RECORD**--Maximum discharge, 478 ft<sup>3</sup>/s, Sept. 8, 2002, gage height, 10.84 ft, from an extension of the rating curve. Minimum daily 0.52 ft<sup>3</sup>/s, July 14, 2003.

**EXTREMES FOR CURRENT YEAR**--Peak discharges greater than base discharge of 120 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Aug. 5.....	1330	*114	*9.88

Minimum daily discharge, 0.81 ft<sup>3</sup>/s, July 8.

#### DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.1	e3.2	e2.6	e2.9	3.0	2.3	2.2	7.0	4.0	1.6	2.1
2	1.3	2.2	3.3	e2.8	e2.6	3.0	2.4	6.6	7.1	1.1	1.6	2.1
3	1.4	2.4	3.1	3.1	e2.9	3.1	2.4	9.0	7.1	0.87	1.7	2.0
4	1.5	2.4	e3.3	3.1	e2.8	3.4	2.9	6.0	6.9	e0.90	4.4	2.2
5	1.5	2.5	e3.3	e2.6	e2.9	4.1	3.7	6.5	6.8	e0.90	14	2.1
6	1.4	2.4	3.1	e2.9	e2.7	4.3	3.0	6.9	6.6	e0.90	6.3	1.9
7	1.5	2.6	3.3	e2.6	e2.6	3.5	2.7	6.9	6.3	e0.90	2.9	1.9
8	3.1	2.7	3.4	2.6	e2.5	3.1	4.0	6.5	6.1	0.81	1.8	1.8
9	1.7	2.7	e3.5	e2.6	e2.5	3.0	3.5	6.4	6.1	0.82	1.6	1.8
10	1.6	2.7	e3.5	e2.5	e2.6	3.0	3.1	7.1	6.1	0.91	1.6	1.8
11	1.6	2.8	e3.4	e2.7	e2.6	2.9	3.9	7.8	6.2	1.2	1.5	1.7
12	1.6	3.2	3.2	2.9	e2.6	3.0	3.6	7.8	6.2	1.7	1.5	1.7
13	1.6	3.6	e3.2	2.9	e2.6	4.2	2.9	7.8	6.2	1.8	1.9	1.7
14	1.6	3.2	3.3	2.8	e2.7	3.6	2.6	7.8	6.2	1.7	1.6	1.6
15	1.6	3.1	e3.2	2.9	e2.8	2.9	2.3	7.8	5.7	1.7	10	1.6
16	1.7	2.9	e2.8	3.2	e2.9	2.5	2.3	7.7	5.5	1.7	8.1	1.4
17	1.7	2.9	e3.5	3.0	3.1	2.5	2.3	6.6	5.5	1.8	2.0	1.3
18	1.7	2.9	e3.5	3.0	3.2	2.5	2.1	5.2	5.5	1.8	1.7	1.3
19	1.8	2.9	e2.9	2.9	3.2	2.5	2.2	5.0	5.4	1.7	1.7	1.4
20	1.8	3.0	e2.7	2.9	3.1	2.5	2.1	4.7	5.3	1.7	1.8	1.4
21	2.3	3.0	2.6	3.1	3.0	2.5	2.2	5.0	5.3	1.7	5.6	1.3
22	1.9	e3.0	2.6	3.3	2.9	2.5	2.0	6.9	5.4	1.6	6.7	1.3
23	1.8	e2.8	e2.4	3.0	2.9	2.5	2.1	7.1	5.4	1.7	2.9	1.3
24	1.9	e2.9	2.5	3.0	3.0	2.4	2.2	7.1	5.4	1.8	2.7	1.3
25	2.0	3.2	2.7	e3.1	3.3	2.4	2.2	7.0	5.4	1.7	2.8	1.3
26	1.9	3.2	2.8	e3.0	3.3	2.3	2.3	7.1	5.5	1.6	2.5	1.3
27	2.1	e3.0	e2.5	e3.0	3.1	2.3	2.1	6.9	5.9	1.7	2.4	1.3
28	2.1	e3.1	e2.6	e2.9	3.3	2.3	2.0	7.0	6.4	1.8	2.2	1.2
29	2.1	e3.0	e2.6	e2.9	3.2	2.3	2.0	6.9	8.3	1.7	2.2	1.4
30	2.1	e3.3	e2.6	e2.9	---	2.2	2.0	6.8	6.9	1.5	2.1	1.4
31	2.1	---	e2.6	2.9	---	2.2	---	6.9	---	1.6	2.2	---
TOTAL	55.2	85.7	93.2	89.7	83.8	88.5	77.4	207.0	183.7	47.31	103.6	47.9
MEAN	1.78	2.86	3.01	2.89	2.89	2.85	2.58	6.68	6.12	1.53	3.34	1.60
MAX	3.1	3.6	3.5	3.3	3.3	4.3	4.0	9.0	8.3	4.0	14	2.2
MIN	1.2	2.1	2.4	2.5	2.5	2.2	2.0	2.2	5.3	0.81	1.5	1.2
MED	1.7	2.9	3.1	2.9	2.9	2.5	2.3	6.9	6.1	1.7	2.2	1.5
AC-FT	109	170	185	178	166	176	154	411	364	94	205	95
CFSM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00

CAL YR 2003 TOTAL 1227.34 MEAN 3.36 MAX 81 MIN 0.52 MED 3.0 AC-FT 2430 CFSM 0.00  
WTR YR 2004 TOTAL 1163.01 MEAN 3.18 MAX 14 MIN 0.81 MED 2.7 AC-FT 2310 CFSM 0.00

e Estimated